

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/SE 2004/000674

## A. CLASSIFICATION OF SUBJECT MATTER

**IPC7: D21H 21/14, D21H 17/72, D21H 17/20**

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

**IPC7: B31F, D21H**

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

**SE,DK,FI,NO classes as above**

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

## WPI DATA, EPO-INTERNAL, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P, X	US 2004062907 A1 (LINDSAY ET AL), 1 April 2004 (01.04.2004), page 3, [0023], page 9, [0080], [0085], claims 22,27  --	1-16
X	US 5635028 A (VINSON ET AL), 3 June 1997 (03.06.1997), column 4; column 8, line 2 - line 9; column 19, line 18 - line 27	1-4,6-20
Y	--	5
Y	US 6179961 B1 (FICKE ET AL), 30 January 2001 (30.01.2001), column 2, line 18 - line 34  --	5

Further documents are listed in the continuation of Box C.

See patent family annex.

\* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- "&" document member of the same patent family

Date of the actual completion of the international search  
**13 August 2004**

Date of mailing of the international search report  
**17-08-2004**

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**INTERNATIONAL SEARCH REPORT**  
Information on patent family members

International application No.

03/07/2004

PCT/SE 2004/000674

US 2004062907 A1 01/04/2004 NONE

US	5635028	A	03/06/1997	AT	195359	T	15/08/2000
				AU	709472	B	26/08/1999
				AU	5426396	A	07/11/1996
				BR	9608104	A	02/02/1999
				CA	2218557	A	24/10/1996
				CN	1082590	B	10/04/2002
				CN	1184516	A	10/06/1998
				CZ	9703311	A	17/06/1998
				DE	69609708	D, T	05/04/2001
				EP	0821750	A, B	04/02/1998
				SE	0821750	T3	
				ES	2148751	T	16/10/2000
				HU	9801180	A	28/08/1998
				JP	11504080	T	06/04/1999
				KR	264041	B	01/11/2000
				NO	974809	A	19/12/1997
				NZ	306095	A	29/06/1999
				TR	9701208	T	00/00/0000
				WO	9633310	A	24/10/1996
				ZA	9603101	A	24/10/1996

US	6179961	B1	30/01/2001	AT	235604	T	15/04/2003
				AU	752063	B	05/09/2002
				AU	9689698	A	27/04/1999
				BR	9813858	A	19/09/2000
				CA	2305546	A	15/04/1999
				CN	1281521	T	24/01/2001
				DE	69812672	D, T	23/10/2003
				EP	1023498	A, B	02/08/2000
				ES	2192338	T	01/10/2003
				HK	1030802	A	00/00/0000
				JP	2001519487	T	23/10/2001
				TW	396229	B	00/00/0000
				WO	9918289	A	15/04/1999
				ZA	9809019	A	08/04/1999

US	6334931	B1	01/01/2002	CA	2225642	A	23/06/1998
				DE	69728246	D	00/00/0000
				EP	0851061	A, B	01/07/1998
				TR	9701688	A	00/00/0000
				US	6033761	A	07/03/2000
				US	6068731	A	30/05/2000
				US	6143131	A	07/11/2000
				US	6277467	B	21/08/2001
				US	6328849	B	11/12/2001

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## C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6334931 B1 (DWIGGINS ET AL), 1 January 2002 (01.01.2002), page 29, table 16  -- -----	6,7